



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : **Confirmation No. 7533**  
Hideaki FUKUSHIMA et al. : Docket No. 2003\_0673  
Serial No. 10/601,706 : Group Art Unit 2857  
Filed June 24, 2003 : Examiner Not Assigned Yet

DATA TRANSMISSION METHOD AND  
DATA TRANSMISSION APPARATUS

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. .

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**
- (2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**  
**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a. ☐ a full or partial English language translation submitted herewith,

- b. ☐ a foreign patent office search report (in the English language) submitted herewith,
- c. ☐ the concise explanation contained in the specification of the present application at page,
- d. ☒ the concise explanation set forth in the attached English language abstract,
- e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:

5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Hideaki FUKUSHIMA et al.

By 

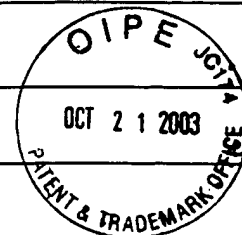
Thomas D. Robbins  
Registration No. 43,369  
Attorney for Applicants

TDR/jlg  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
October 21, 2003

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: October 21, 2003

ATTY DOCKET NO.  
2003\_0673SERIAL NO.  
10/601,706APPLICANT  
Hideaki FUKUSHIMA et al.FILING DATE  
June 24, 2003GROUP  
2857

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH	98/42132	9/1998	WO			Abstract
	AI	0 905 976 A1	3/1999	EP			
	AJ						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AK	Seneviratne A. et al.: "Cellular networks and mobile internet", Computer Communications, Butterworths & Co. Publishers Ltd., GB, vol. 21, no. 14, 15 September 1998, pages 1244-1255 XP004146584
	AL	Papadopoulos C., Parulkar G.: "Retransmission-based error control for continuous media applications", Proceedings of the Sixth International Workshop on Network and Operating Systems Support for Digital Audio and Video, 1996, pages 5-12, XP002251288
	AM	Rhee I.: "Error Control Techniques for Interactive Low-bit Rate Video Transmission Over the Internet", Computer Communications Review, Association for Computing Machinery, New York, US, vol. 28, no. 4, October 1998, pages 290-301, XP000914443
	AN	Xue Li et al.: "Layered video multicast with retransmission (LVMR): evaluation of error recovery schemes", Network and Operating Systems Support for Digital Audio and Video, 1997, pages 161-172, XP010251695
	AO	Sugh-Hoon Lee et al.: "Retransmission scheme for MPEG streams in mission critical multimedia applications" Euromicro Conference, 25 August 1998, pages 574-580, XP010298024

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.